Claims after this response:

1(Canceled).

2(Canceled).

3(Canceled).

4(Currently Amended). ~~The method of Claim 1~~ A method for fabricating a light source comprising:

mounting a chip having a primary light source on a substrate, said primary light source emitting light of a first wavelength;

connecting power terminals on said chip to corresponding power terminals on said substrate for powering said primary light source; and

mounting a preformed transparent cap over said chip, said cap comprising a wavelength-converting material for converting a portion of said light of said first wavelength to a second wavelength,

wherein said transparent cap comprises a phosphor material suspended in a clear compound.

5(Currently Amended). ~~The method of Claim 1~~ A method for fabricating a light source comprising:

mounting a chip having a primary light source on a substrate, said primary light source emitting light of a first wavelength;

connecting power terminals on said chip to corresponding power terminals on said substrate for powering said primary light source; and

mounting a preformed transparent cap over said chip, said cap comprising a wavelength-converting material for converting a portion of said light of said first wavelength to a second wavelength,

wherein said transparent cap comprises a planar sheet of a single crystal phosphor.

6(Currently Amended). The method of Claim ~~1~~ 4 wherein said transparent cap comprises an inverted cavity, said chip being on a concave side of said cavity.

7. (Currently Amended). ~~The method of Claim 1~~ A method for fabricating a light source comprising:

mounting a chip having a primary light source on a substrate, said primary light source emitting light of a first wavelength;

connecting power terminals on said chip to corresponding power terminals on said substrate for powering said primary light source; and

mounting a preformed transparent cap over said chip, said cap comprising a wavelength-converting material for converting a portion of said light of said first wavelength to a second wavelength, wherein said transparent cap comprises a spherical surface of constant thickness.

8(Currently Amended). ~~The method of Claim 1~~ A method for fabricating a light source comprising:

mounting a chip having a primary light source on a substrate, said primary light source emitting light of a first wavelength;

connecting power terminals on said chip to corresponding power terminals on said substrate for powering said primary light source; and

mounting a preformed transparent cap over said chip, said cap comprising a wavelength-converting material for converting a portion of said light of said first wavelength to a second wavelength, wherein said transparent cap comprises a planar sheet having a constant thickness.

9(Withdrawn). A light source comprising:

a chip having a primary light source mounted on a substrate, said primary light source emitting light of a first wavelength, said chip having chip power terminals connected to corresponding terminals on said substrate for powering said primary light source; and

a transparent cap over said chip, said cap comprising a wavelength-converting material for converting a portion of said light of said first wavelength to a second wavelength and for transmitting the portion of said light that is not converted, said transparent cap comprising a layer of wavelength-converting material of a constant thickness.

10(Withdrawn). The light source of Claim 9 wherein said transmitted portion of said light is transmitted without scattering more than 50 percent of said transmitted light.

11(Withdrawn). The light source of Claim 9 wherein said primary light source comprises an LED.

12(Withdrawn). The light source of Claim 9 wherein said primary light source comprises a laser diode.

13(Withdrawn). The light source of Claim 9 wherein said transparent cap comprises a phosphor suspended in a transparent material.

14(Withdrawn). The light source of Claim 9 wherein said transparent cap comprises a planar sheet of a single crystal phosphor.

15(Withdrawn). The light source of Claim 9 wherein said transparent cap comprises an inverted cavity, said chip being on a concave side of said cavity.

16(Withdrawn). The light source of Claim 9 wherein said transparent cap comprises a spherical surface of constant thickness.